

Title (en)

Unit and method for forming a layer of batches of groups of articles

Title (de)

Einheit und Verfahren zur Bildung einer Schicht von Mengen von Gruppen von Artikeln

Title (fr)

Unité et procédé de formation d'une couche de lots de groupes d'articles

Publication

EP 2749512 A1 20140702 (EN)

Application

EP 12199782 A 20121228

Priority

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Abstract (en)

There is disclosed a unit (1) for forming a layer (40) with at least one first batch (2a; 2b, ..., 2n) and one second batch (2b; 2a, ..., 2n) of first groups (3a; 3b, ..., 3n) and second groups (3b; 3a, ..., 3n) of articles, comprising: a first conveying line (5a; 5b, ..., 5n) which may be fed with a first row of first groups (3a; 3b, ..., 3n) and which outputs first batch (2a; 2b, ..., 2n) separated from the remaining first groups (3a; 3b, ..., 3n) travelling parallel to a first direction (X); and one second conveying line (5b; 5a, ..., 5n) which may be fed with a second row of second groups (3b; 3a, ..., 3n) and which outputs second batch (2b; 2a, ..., 2n) separated from the remaining second groups (3b; 3a, ..., 3n) travelling parallel to first direction (X); unit (1) further comprises control means (20) configured for receiving a signal associated to a misalignment between first batch (2a; 2b, ..., 2b) and second batch (2b; 2a, ..., 2n) along a second direction (Y) transversal to first direction (X), and for generating a modified first speed profile (V2a'; V2b', ..., V2n') for at least one conveyor (7a, 7b, ..., 7n ; 8a, 8b, ..., 8n) of first conveying line (5a; 5b, ..., 5n) or of second conveying line (5b; 5a, ..., 5n), so as to recover misalignment.

IPC 8 full level

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CPC (source: EP US)

B65G 47/084 (2013.01 - EP US); **B65G 47/31** (2013.01 - EP US); **B65G 47/52** (2013.01 - US)

Citation (applicant)

US 7896151 B2 20110301 - MEISINGER ALFRED [DE]

Citation (search report)

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- [A] US 4881635 A 19891121 - RASCHKE HANS D [DE]
- [A] EP 2052997 A1 20090429 - SOREMARTEC SA [BE], et al
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Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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DOCDB simple family (application)

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